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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/978,036	10/17/2001	Tonny Chen	BHT-3204-6	3628

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EXAMINER	
HUYNH, NAM TRUNG	
ART UNIT	**PAPER NUMBER**
2643	

DATE MAILED: 03/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/978,036	CHEN, TONNY	
	Examiner	Art Unit	
	Nam Huynh	2688	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 October 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-3* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3* is/are rejected.

7)☒ Claim(s) *1* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claims 1-3 are objected to because of the following informalities: In claim 1, "An extension for speedy connection of a various kinds..." should be rewritten with the "a" omitted. In all three claims, the term "hand free" should be "hands free". Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Joo (US 6,678,373) in view of Johansson et al. (US 5,983,100).

A. Regarding claim 1, Joo discloses a shortcut dialing apparatus, or extension device, for a telephone set in which the apparatus is separated or an extension of the telephone (column 8, lines 34-35) comprising:

- A CPU for scanning the selection switches pushed by a user among selection switches and outputting a data corresponding to a telephone number stored in ROM (column 2, lines 37-40). Therefore rendering "controlling operations" of the shortcut dialing apparatus. Although it is not explicitly disclosed that the CPU is equipped with a control program, it is inherently well known in the art that a CPU is programmed with instructions in order to control an electronic device.
- A power unit (figure 6,item 63) or power supply-processing unit that is used to generate power for driving each element of the shortcut dialing apparatus (column 8, lines 40-41).
- A plurality of switches or push buttons (figure 5, items KM1-KM11) including a circuit (figure 4, item 44). Each shortcut switch corresponds to a telephone number stored in memory (column 5, lines 60-65).
- A DTMF signal generator for converting the telephone number from the CPU into the DTMF signal (column 3, lines 23-26).

Joo does not explicitly disclose that the push buttons mentioned above are labeled with functional indication of the service provided. However, Joo shows the labeling of phone numbers corresponding to the removable memory modules that are compatible with the shortcut dialing apparatus (figure 5). Since telephone numbers can be stored in memory, and each number can correspond to a specific button, it is obvious to one of ordinary skill in the art to program a particular button to correspond to the number of a particular service. It is further obvious to label these buttons in order to inform the user of which service he/she is selecting to dial.

Furthermore, Joo discloses a shortcut dialing apparatus, or extension device, for use in a wire line telephone network rather than for use with a cellular phone and a hands free device. Johansson et al. discloses an integrated communication system comprising a plurality of locally positioned communication devices that are operably coupled to a local interface module or base unit. In one embodiment of the invention, the hands free unit allows a user to dial a telephone number via a cellular phone and the local interface module. Furthermore the local interface unit is electrically coupled to the hands free device via a RSSI indicator for measuring the strength of the received signal, which is used by the device transmitter to determine the optimum transmitting power necessary to provide a clear transmission while at the same time conserving the battery of the hands free device (columns 3-4, lines 55-67, 1-47). The local interface module renders the "extension device" in this system because it comprises a local PSTN line interface unit and other means to make and complete a telephone call (column 9, lines 16-33). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to follow the teachings of Joo, and incorporate a shortcut dialing apparatus, in the system of Johansson et al. in order to allow the apparatus to have wireless capability and give more flexibility of the device by allowing it to be operated with a hands free device such as a headset.

B. Regarding claim 2, Johansson et al. discloses that the local interface module, or extension device, comprises an infra-red transceiver for selectably effectuating local communication links (column 4, lines 27-29). Therefore rendering an infrared receiving unit. The local interface module also comprises a remote interface unit, which further

comprises a voice-band processing circuit, a mixer, and a radio transceiver coupled to the antenna. One of ordinary skill in the art would recognize that a transceiver consists of a receiver and a transmitter, therefore rendering an "infrared receiving unit". Additionally, a controller or CPU controls the remote interface unit, therefore rendering the coupling of the "infrared receiving unit" with the "control unit" (column 9, lines 28-33).

The hands free device, or wireless headset of Johansson et al., renders the claimed "infrared transmitter". In figure 8, Johansson et al. shows a transceiver (item 830), which renders the "infrared transmitting unit", and a baseband modulator/demodulator (item 840), which renders an "infrared coding unit". Furthermore, Johansson et al. discloses that the hands-free unit includes a keypad and an alphanumeric display (column 4, lines 1-2), therefore rendering the "matrix of press buttons".

C. Regarding claim 3, Johansson et al. discloses that the local interface module, or extension device, may be equipped with a set of key pads to facilitate call initiation (column 4, lines 25-27).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nam Huynh whose telephone number is 571-272-5970. The examiner can normally be reached on 8 a.m.-5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NLH

NTH
2/23/06

JEAN GELIN
PRIMARY EXAMINER

Jean Gelin